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ABSTRACT:

PROBLEM TO BE SOLVED: To enable the use of virtual function without damaging the shared function of real memory while unnecessitating reference structure and address calculation with a pointer by fixing the address of virtual function table.

SOLUTION: In a shared memory system in which plural application processes share the object of class having the virtual function of object oriented system, the addresses of processes 1 and 2 in the virtual function table are made equal in all the programs sharing the object. Therefore, the class for preparing the shared object while having the virtual function is prepared as a shared library fixing its load address. Thus, it is not necessary to use any

special data structure for preparing a reference relation, and
pointer
calculation for access is unnecessitated. Further, a page on the
real memory
can be shared between processes and efficiency in the utilization of
real
memory is improved.

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